HXSU012BA

S1 Mini External Hard Drive

User’s manual

Read Me First

About this Manual

Your product comes with a quick start guide and a user’s manual.
Following the instructions and precautions of this manual will ensure easier and more enjoyable use of your S1 Mini External Hard Disk Drive.

Quick Start Guide

A start guide is provided with the purchase of S1 Mini External Hard Disk Drive.
The quick start guide explains product components and provides simple instructions on how to install the product.

User’s Manual

The User’s Manual contains detailed information about features and instructions on using your S1 Mini External Hard Disk Drive.

Using this Manual

Carefully read and understand the “Handling Precautions” section before using the product.
Failure to follow all the instructions as outlined in the Handling Precautions section could result in damage to you or to your S1 Mini External Hard Disk Drive.

- Refer to the Troubleshooting section first if you experience a problem with the product.

Ref.

Software and user’s manuals are available for download at the Samsung Hard Disk Drive website (www.samsunghdd.com).
The content of this User’s Manual may change without prior notice for product improvement purposes.

Handling Precautions

The following information serves to ensure user's safety and prevent damage to user's properties.
Carefully read the information provided and use your product correctly.

Handling Precautions

This product must be connected to a USB port or USB supporting system that is equipped with a compatible power supply unit.

Always Backup your Important Data

Warning

The external HDD manufacturer does not guarantee data stored in the external HDD and will not assume responsibility for any mental or material damage incurred during data recovery.

Backup: Storing the original and a copy on two or more separate and accessible storage media.

Humidity

Moisture reacts with the oil on the surfaces of the disk and the head inside the HDD, contaminating the affected parts and components and even corrupting the stored data. In addition, prolonged exposure to moisture can corrode various parts and components.

Disassembly and Label Removal

Unauthorized disassembly of the product and unauthorized removal of the labeling will void your warranty.

Electrostatic

Do not touch the circuitry with your hands. Your HDD contains highly sensitive internal components.
Passing on static electricity to the circuitry will cause irreparable damage to the head.

Shock

Protect the HDD from impact:
Your external HDD is very portable and is therefore highly vulnerable to damage from impact.
Protect the HDD from being dropped or tipped over during both use and storage.
Impact can make the read/write head to collide with the disk so it may cause bad sectors.
Depending on their location, bad sectors can cause various and potentially terminal disk read/write errors.

Magnets

Magnetic objects can cause various types of damage to the HDD, including data corruption.
Keep magnets and magnetic objects away from the HDD.

Regular Virus Scanning

Frequently scan the device for viruses and protect the device from virus infection.

Safely Remove Hardware

Always use the Safely Remove Hardware feature before shutting down the HDD or disconnecting the USB cable.

1MB=1,000,000bytes and 1GB=1,000,000,000bytes

The storage capacity may differ depending on the drive formatting method, partition arrangement, and the type of operating system used.

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Introduction

The S1 Mini External Hard Disk Drive is a high-performance external hard disk drive that supports USB 2.0. Unlike conventional desktop disk drives, the S1 Mini External Hard Disk Drive makes it possible for you to instantaneously add greater storage capacity to your system without having to take the computer apart.

This means that your S1 Mini External Hard Disk Drive comes fully partitioned and formatted for your use and you can instantly access to the drive by simply plugging it into your computer through a USB port.

Rebooting and other cumbersome steps are not necessary. SecretZone™, which is part of the software bundle that comes with your S1 Mini External Hard Disk Drive, allows you to protect and manage your private data.

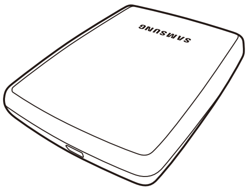
Specifications

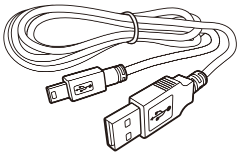
Category	Specification
Interface	High Speed (USB2.0)
Transfer Rate	480 Mbps Max.
Power	USB Host Power
Operating System	Windows 2000 Pro / XP / Vista
	Mac OS X 10.4.8 or Later
Hard Disk Capacity	120GB
Dimensions (W x H x L)	(62mm X 15mm X 87mm)
Color	Black / White / Red / Brown
Format System	FAT32

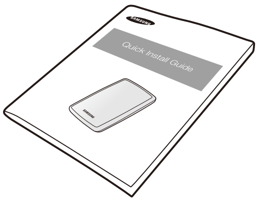
System Requirements

- PC : Windows 2000 Pro / XP/Vista
- Macintosh : Mac OS X 10.4.8 or Later
- Upgrade your operating system to the latest version to enjoy better performance and reliability.

Components

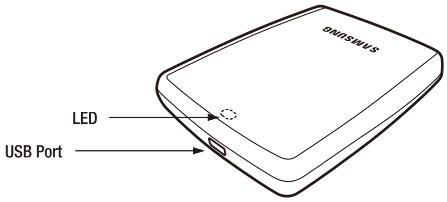



USB Cable



Quick Start Guide

Overview



Ref.

■ LED Description

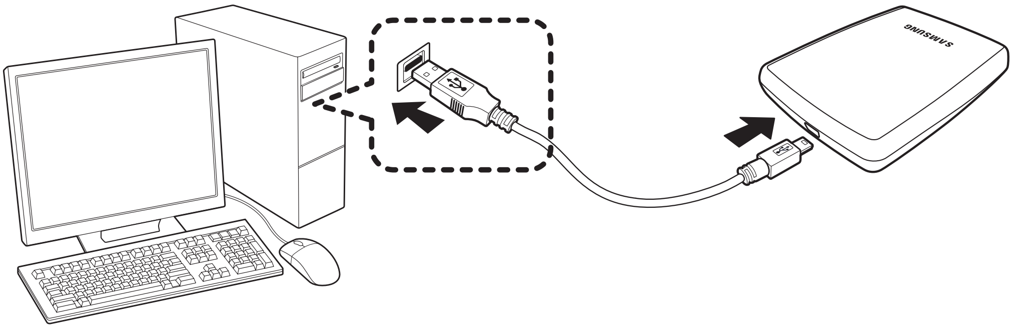
1) Standby Status: Steadily lit LED
2) Read/Write in Progress: Blinking LED

Connecting your S1 Mini

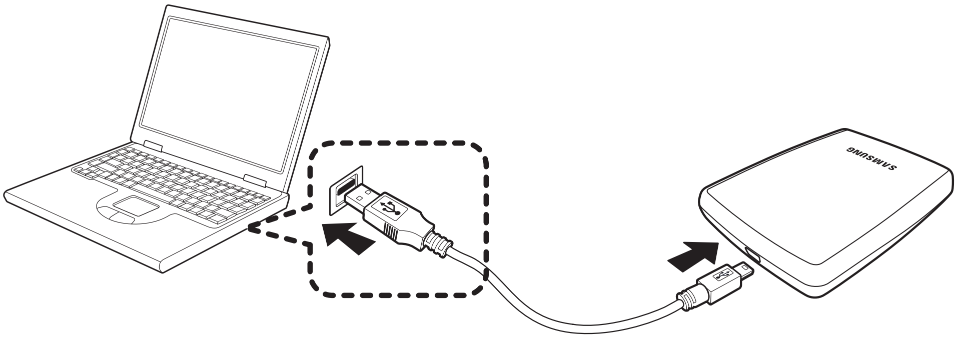
Installation

Verify that the computer meets the minimum system requirements as outlined in #System Requirements.
Insert the USB cable to the desktop/laptop computer as shown in Figures 1 and 2:

● Figure 1. **Connecting to a Desktop Computer**



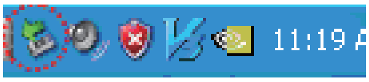
● Figure 2. **Connecting to a Laptop Computer**



Windows

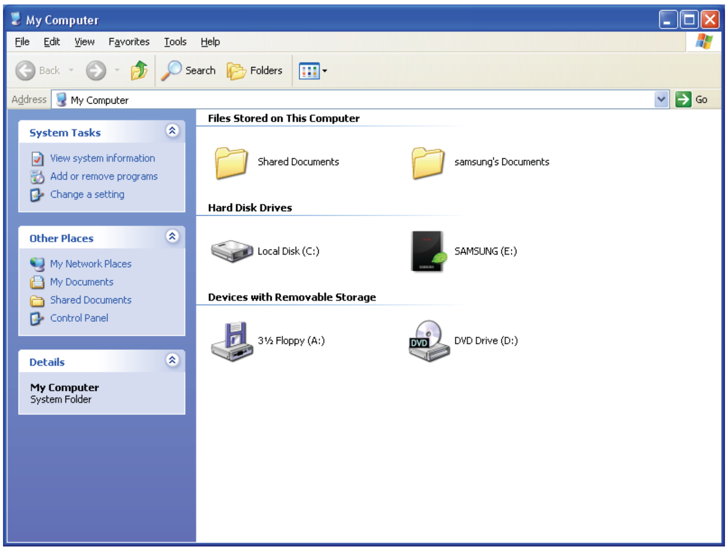
When you connect the S1 Mini External Hard Disk Drive to the computer a small icon will appear in the system tray at the lower right corner of the screen.

● Figure 3. **System Tray indicating an external device**



The operating system will recognize and display "Samsung" drive under "My Computer."

● Figure 4. **In the Windows Explorer, you will see a new Samsung drive**

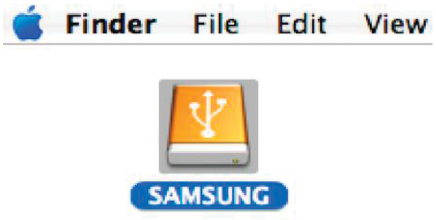

My Computer
File
Edit
View
Favorites
Tools
Help
Back
Search
Folders
Address
My Computer
Go
System Tasks
View system information
Add or remove programs
Change a setting
Other Places
My Network Places
My Documents
Shared Documents
Control Panel
Details
My Computer
System Folder
Files Stored on This Computer
Shared Documents
samsung's Documents
Hard Disk Drives
Local Disk (C:)
SAMSUNG (E:)
Devices with Removable Storage
3½ Floppy (A:)
DVD
DVD Drive (D:)

You are now ready to use the Samsung S1 Mini External Hard Disk Drive.

Macintosh

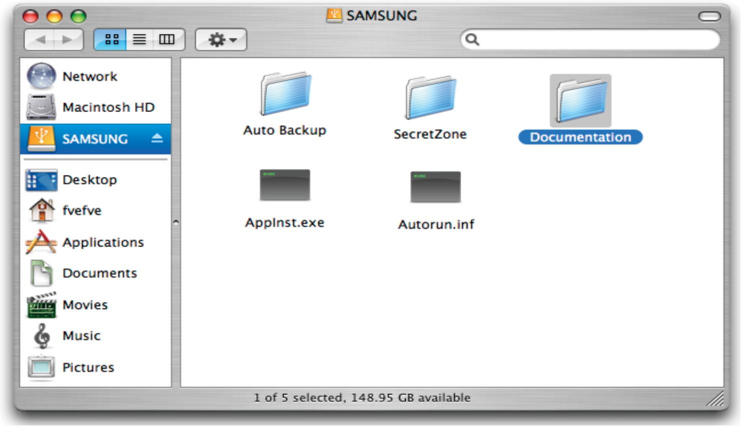
Connect your S1 Mini External Hard Disk Drive to the computer. Your Macintosh operating system will then generate a SAMSUNG.

● Figure 5. **Macintosh External HDD connection icon**


Finder
File
Edit
View
SAMSUNG

After clicking the SAMSUNG icon, the following folder will appear.

● Figure 6. **Macintosh Folders**


SAMSUNG
Network
Macintosh HD
SAMSUNG
Desktop
fvefve
Applications
Documents
Movies
Music
Pictures
Auto Backup
SecretZone
Documentation
AppInst.exe
Autorun.inf

1 of 5 selected, 148.95 GB available

Stop & Read

You are now ready to use the Samsung S1 Mini External Hard Disk Drive.
(Software included with your S1 Mini External Hard Disk Drive does not support the Mac operating environment.)

Using your S1 Mini

Copying / Moving Files

Now that you h ave successfully installed your new S1 Mini External Hard Disk Drive, you copy or move files or whole folders from your new S1 to your computer and vice-versa.

Stop & Read

It is important to understand the difference between Copy and Move.
Copy: is to make a duplicate folder or file and store it so that you have two copies.
Move: is to take a folder or file from one location and put it into another.

WHEN YOU MOVE A FOLDER OR FILE, YOU NO LONGER HAVE A BACKUP COPY.

Copy and paste files from the computer to the S1 Mini External Hard Disk Drive (Removable Disk Method).

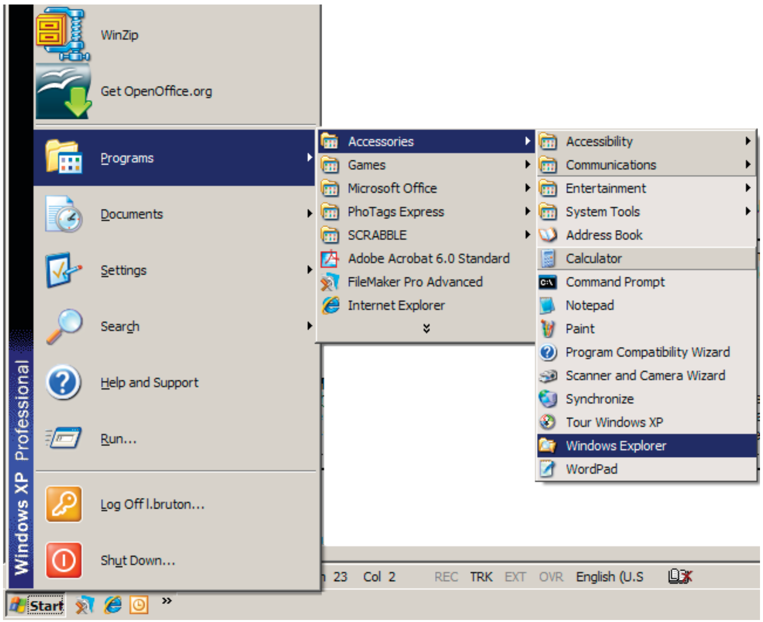
Removable Disk Method

For the purposes of this manual, we will make a copy of the Temp folder on the C drive of your computer and copy it to the S1 Mini External Hard Disk Drive.

From the Windows Desktop click:

Start → Programs → Accessories → Windows Explorer

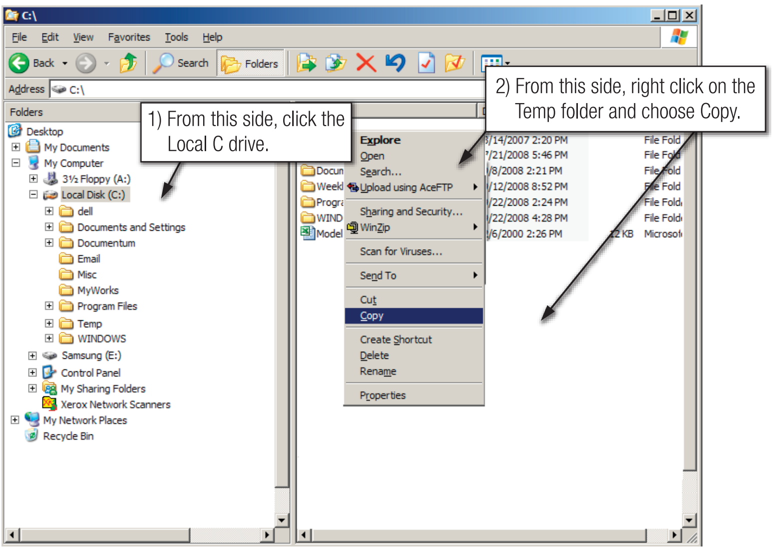
● Figure 7. **Getting to the Windows Explorer**


WinZip
Get OpenOffice.org
Programs
Documents
Settings
Search
Help and Support
Run...
Log Off l.bruton...
Shut Down...
Windows XP Professional
Start
Accessories
Games
Microsoft Office
PhoTags Express
SCRABBLE
Adobe Acrobat 6.0 Standard
FileMaker Pro Advanced
Internet Explorer
Accessibility
Communications
Entertainment
System Tools
Address Book
Calculator
Command Prompt
Notepad
Paint
Program Compatibility Wizard
Scanner and Camera Wizard
Synchronize
Tour Windows XP
Windows Explorer
WordPad
23 Col 2 REC TRK EXT OVR English (U.S

From the Windows Explorer, you will see various drive letters; A, C, your C drive is your local Hard Disk Drive. The S1 Mini will most likely be the E drive however, it could be any drive letter.
For the purposes of this manual, we will assume that the S1 Mini is the E drive. As well, for practice copying folders and files, we will copy the Temp folder onto the S1 Mini.

From the Windows Explorer screen:
Click Local Disk C
From the right-hand pane:
Right-click the Temp folder → Click Copy

● Figure 8. **When you Right-Click on a file or folder, you get another menu.**

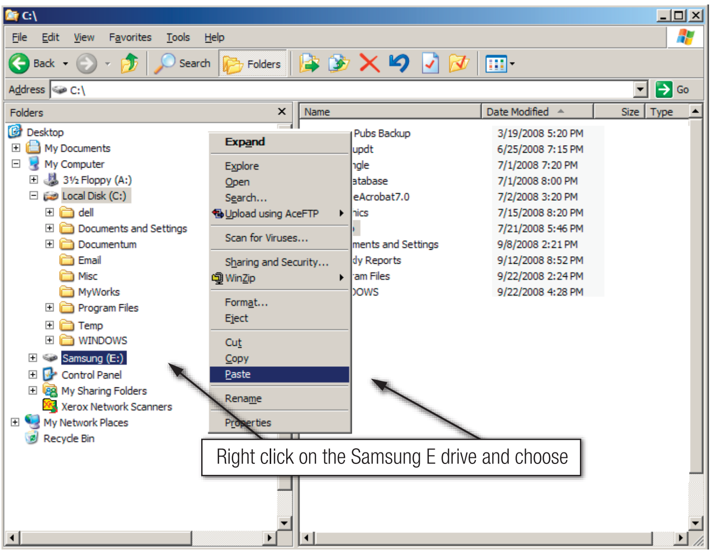

C:\
File Edit View Favorites Tools Help
Back Search Folders
Address C:\
Folders
Desktop
My Documents
My Computer
3½ Floppy (A:)
Local Disk (C:)
dell
Documents and Settings
Documentum
Email
Misc
MyWorks
Program Files
Temp
WINDOWS
Samsung (E:)
Control Panel
My Sharing Folders
Xerox Network Scanners
My Network Places
Recycle Bin
Explore
Open
Search...
Upload using AceFTP
Sharing and Security...
WinZip
Scan for Viruses...
Send To
Cut
Copy
Create Shortcut
Delete
Rename
Properties

1) From this side, click the Local C drive.

2) From this side, right click on the Temp folder and choose Copy.

Now, we will copy the Temp folder from the Local C drive, to the Samsung E drive. From the left pane in the Windows Explorer : Right Click Samsung E → Click Paste

● Figure 9. **Using a Right-Click again, we can paste the Temp file onto the S1 drive.**


C:\
File Edit View Favorites Tools Help
Back Search Folders
Address C:\
Go
Folders
Name
Date Modified
Size
Type
Desktop
My Documents
My Computer
3½ Floppy (A:)
Local Disk (C:)
dell
Documents and Settings
Documentum
Email
Misc
MyWorks
Program Files
Temp
WINDOWS
Samsung (E:)
Control Panel
My Sharing Folders
Xerox Network Scanners
My Network Places
Recycle Bin
Expand
Explore
Open
Search...
Upload using AceFTP
Scan for Viruses...
Sharing and Security...
WinZip
Format...
Eject
Cut
Copy
Paste
Rename
Properties

Right click on the Samsung E drive and choose

Stop & Read

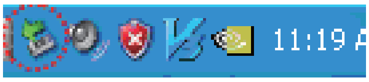
NOTE : Detaching the USB cable while file transfer is in progress can damage your computer and/or S1 Mini External Hard Drive. If you need to disconnect the USB cable, wait for the transfer process to complete first and then disconnect using the "Safely Remove Hardware" option.

Safely Removing your S1 Mini

For Windows

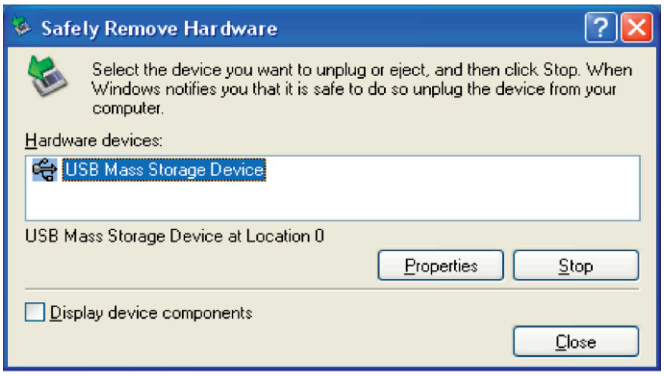
Right-click the arrow icon from the system tray at the lower right corner of your screen.

- Figure 10. **The taskbar is located at the bottom-right of the screen.**



Click "Safely Remove Hardware."

- Figure 11. **The 'Safely Remove Hardware' prompt will list every device that is attached to your system.**



Safely Remove Hardware

Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.

Hardware devices:

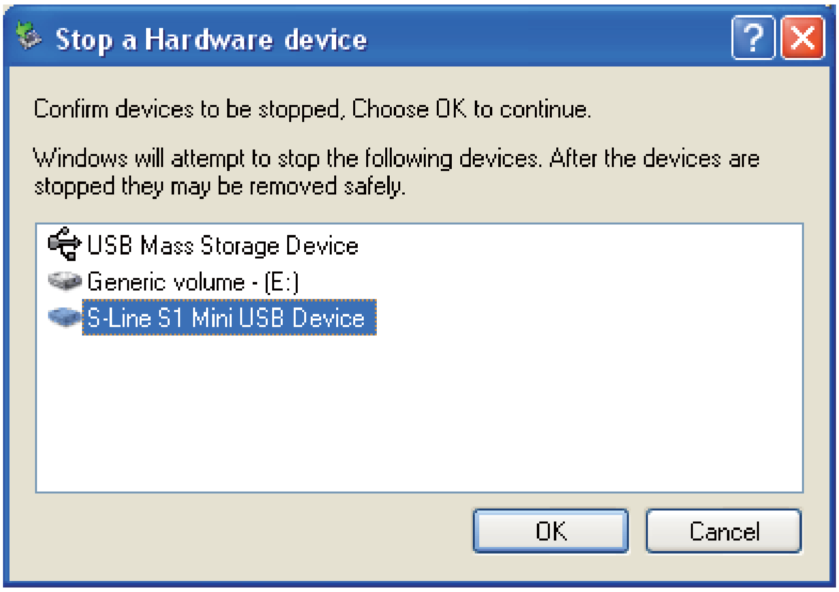
USB Mass Storage Device

USB Mass Storage Device at Location 0

☐ Display device components

Click "Samsung S-line S1 Mini USB device".

- Figure 12. **This prompt will list all of the Mass Storage Devices like your Local Hard drive and your S1 Hard drive**



Stop a Hardware device

Confirm devices to be stopped, Choose OK to continue.

Windows will attempt to stop the following devices. After the devices are stopped they may be removed safely.

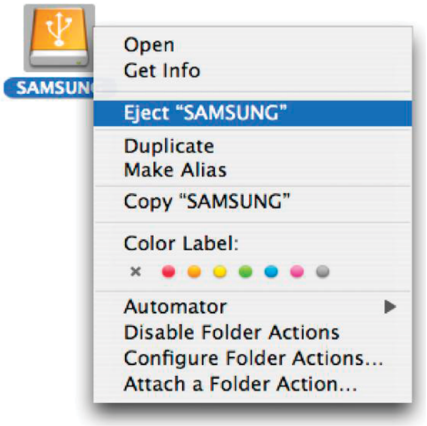
USB Mass Storage Device
Generic volume - (E:)
S-Line S1 Mini USB Device

When you see the "Safely Remove Hardware" message, you may safely remove the device from the system.

For Macintosh

Click the external hard disk drive icon and select "Eject "SAMSUNG.""

● Figure 13. **For the Macintosh click the USB icon and choose Eject "SAMSUNG"**


SAMSUNG
Open
Get Info
Eject "SAMSUNG"
Duplicate
Make Alias
Copy "SAMSUNG"
Color Label:
Automator
Disable Folder Actions
Configure Folder Actions...
Attach a Folder Action...

This safely disconnects the drive. It is now safe to detach the drive from the computer.

Stop & Read

Do not disconnect S1 Mini External Hard Disk Drive's USB cable from the computer while file transfer is in progress. Interrupting the file transfer could lead to data corruption and/or damage to your S1 Mini External Hard Disk Drive.

S1 Mini Software

S1 Mini External Hard Disk Drive Software

Samsung S1 Mini External Hard Disk Drive comes with Samsung Auto Backup and Samsung SecretZone.™
These applications support the Windows only.

Connecting your S1 Mini External Hard Disk Drive to the computer will automatically activate the installation wizard. Select "Install Samsung Tools" to install the applications.

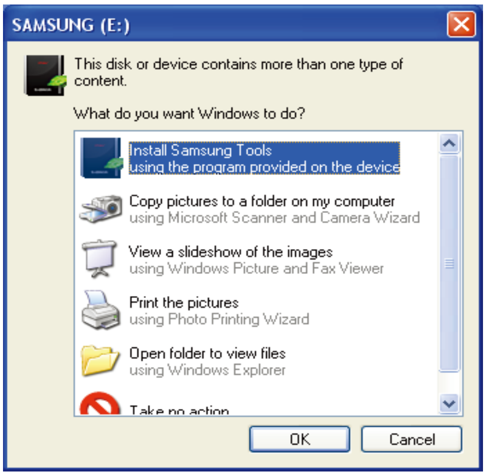
Samsung Auto Backup and Samsung SecretZone™ will only be available when S1 Mini External Hard Disk Drive is connected to your computer.

For further information, please refer to the Auto Backup and SecretZone™ user's manuals that accompanied your S1 Mini External Hard Disk Drive.

Samsung Auto Backup

Samsung Auto Backup is a personal backup solution that enables you to backup individual files.
The application provides both manual and automatic (scheduled) backup features and includes various backup options such as backup in compressed file format and use of filters for backup files.

Samsung Auto Backup Installation

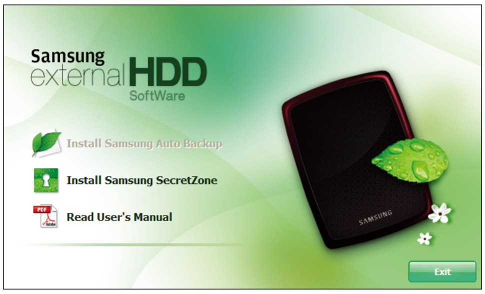

SAMSUNG (E:)
Install Samsung Tools
using the program provided on the device
Copy pictures to a folder on my computer
using Microsoft Scanner and Camera Wizard
View a slideshow of the images
using Windows Picture and Fax Viewer
Print the pictures
using Photo Printing Wizard
Open folder to view files
using Windows Explorer
Take no action
OK
Cancel

This disk or device contains more than one type of content.

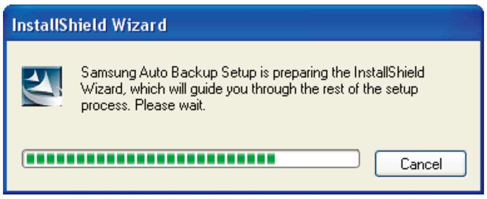
What do you want Windows to do?

1.You will see this dialog the first time you connect your S1 Mini External Hard Disk Drive to the computer.

2. Select "Install Samsung Tools" and the click "OK."

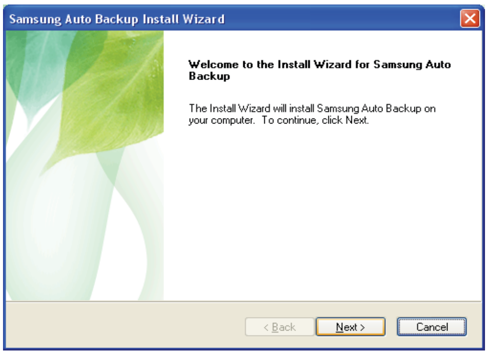

Samsung
external HDD
SoftWare
Install Samsung Auto Backup
Install Samsung SecretZone
Read User's Manual
SAMSUNG
Exit

3. Select "Install Samsung Auto Backup to start the installation process".


InstallShield Wizard
Cancel

Samsung Auto Backup Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.

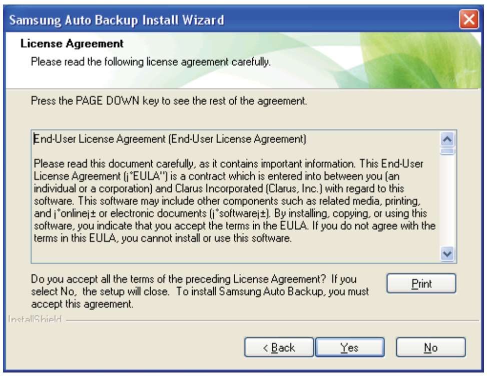
4. Once the preparation process is complete, InstallShield Wizards' greeting dialog will display.


Samsung Auto Backup Install Wizard
< Back
Next >
Cancel

Welcome to the Install Wizard for Samsung Auto Backup

The Install Wizard will install Samsung Auto Backup on your computer. To continue, click Next.

5. Click "Next."


Samsung Auto Backup Install Wizard
Print
InstallShield
< Back
Yes
No

License Agreement

Please read the following license agreement carefully.

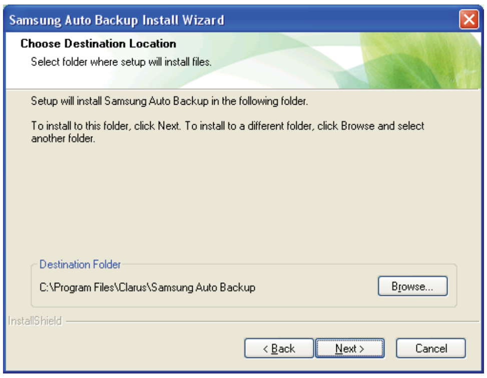
Press the PAGE DOWN key to see the rest of the agreement.

End-User License Agreement (End-User License Agreement)

Please read this document carefully, as it contains important information. This End-User License Agreement (¡°EULA") is a contract which is entered into between you (an individual or a corporation) and Clarus Incorporated (Clarus, Inc.) with regard to this software. This software may include other components such as related media, printing, and ¡°online¡± or electronic documents (¡°software¡±). By installing, copying, or using this software, you indicate that you accept the terms in the EULA. If you do not agree with the terms in this EULA, you cannot install or use this software.

Do you accept all the terms of the preceding License Agreement? If you select No, the setup will close. To install Samsung Auto Backup, you must accept this agreement.

6. The dialog will display the end user license agreement. Carefully read the agreement. Select "yes".


Samsung Auto Backup Install Wizard
Browse...
InstallShield
< Back
Next >
Cancel

Choose Destination Location

Select folder where setup will install files.

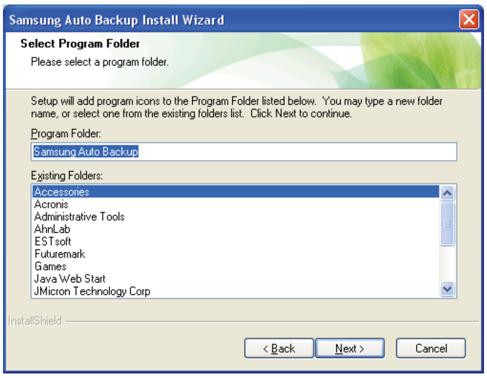
Setup will install Samsung Auto Backup in the following folder.

To install to this folder, click Next. To install to a different folder, click Browse and select another folder.

Destination Folder

C:\Program Files\Clarus\Samsung Auto Backup

7. Select the destination for Samsung Auto Backup installation and then click "Next."


Samsung Auto Backup Install Wizard
InstallShield
< Back
Next >
Cancel

Select Program Folder

Please select a program folder.

Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue.

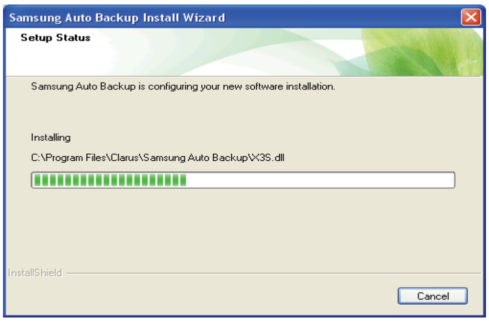
Program Folder:

Samsung Auto Backup

Existing Folders:

Accessories
Acronis
Administrative Tools
AhnLab
ESTsoft
Futuremark
Games
Java Web Start
JMicron Technology Corp

8. Select the folder under which you wish the Samsung Auto Backup icon to be registered. Then, click "Next."

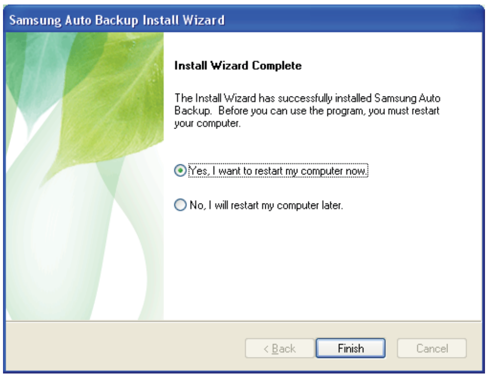

Samsung Auto Backup Install Wizard
Setup Status
InstallShield
Cancel

Samsung Auto Backup is configuring your new software installation.

Installing

C:\Program Files\Clarus\Samsung Auto Backup\X3S.dll

9. The dialog will then display the installation progress.


Samsung Auto Backup Install Wizard
< Back
Finish
Cancel

Install Wizard Complete

The Install Wizard has successfully installed Samsung Auto Backup. Before you can use the program, you must restart your computer.

● Yes, I want to restart my computer now.

○ No, I will restart my computer later.

10. Once the installation process is complete, a dialog requesting your decision on whether to reboot now or later will prompt. Click "Finish" to exit the installation wizard.

    Select "Yes, I want to restart my computer now" and then exit the installation wizard in order to finalize Samsung Auto Backup installation.

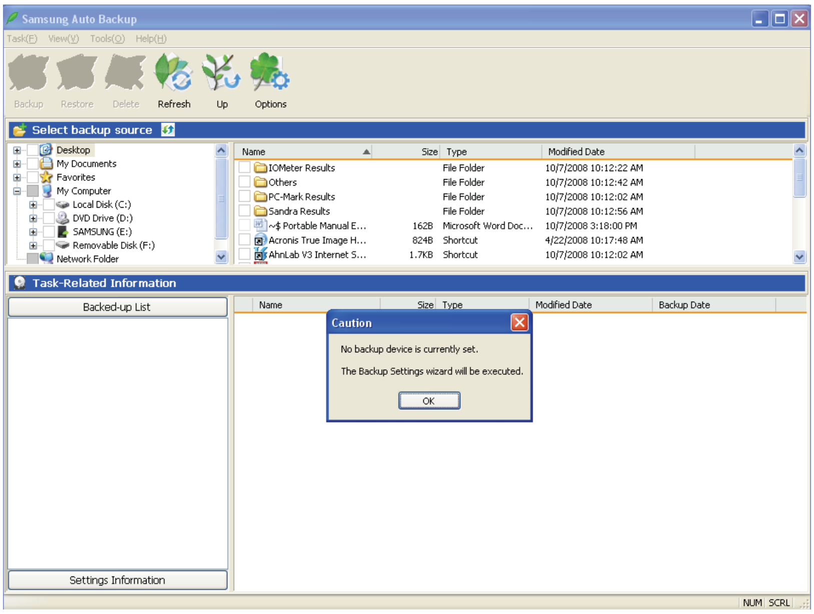
Data Backup using Samsung Auto Backup

There are two ways to backup data:

Data Backup Options
Manual Backup
Quick Backup

You will need to first configure backup options before using Samsung Auto Backup.
Launch Samsung Auto Backup by clicking Start ⟶ Programs ⟶ SEC ⟶ Samsung Auto Backup.

Figure 14. Samsung Auto Back Screen

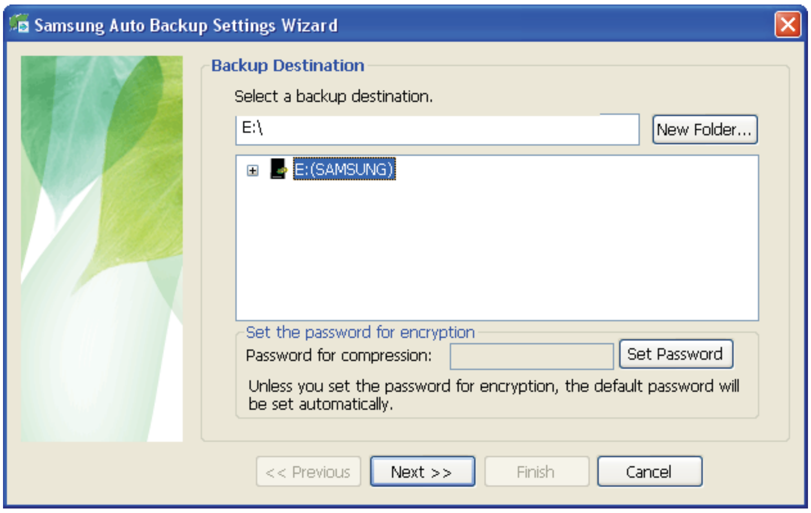

Samsung Auto Backup
Task(F) View(V) Tools(O) Help(H)
Backup
Restore
Delete
Refresh
Up
Options
Select backup source
Desktop
My Documents
Favorites
My Computer
Local Disk (C:)
DVD Drive (D:)
SAMSUNG (E:)
Removable Disk (F:)
Network Folder
Task-Related Information
Backed-up List
Settings Information
Name
Size
Type
Modified Date
Backup Date
Caution
OK
NUM
SCRL

Name	Size	Type	Modified Date
IOMeter Results		File Folder	10/7/2008 10:12:22 AM
Others		File Folder	10/7/2008 10:12:42 AM
PC-Mark Results		File Folder	10/7/2008 10:12:02 AM
Sandra Results		File Folder	10/7/2008 10:12:56 AM
~$ Portable Manual E...	162B	Microsoft Word Doc...	10/7/2008 3:18:00 PM
Acronis True Image H...	824B	Shortcut	4/22/2008 10:17:48 AM
AhnLab V3 Internet S...	1.7KB	Shortcut	10/7/2008 10:12:02 AM

No backup device is currently set.

The Backup Settings wizard will be executed.

Figure 15. Backup Destination Selection Dialog


Samsung Auto Backup Settings Wizard
Backup Destination
New Folder...
E:(SAMSUNG)
Set the password for encryption
Set Password
<< Previous
Next >>
Finish
Cancel

Select a backup destination.

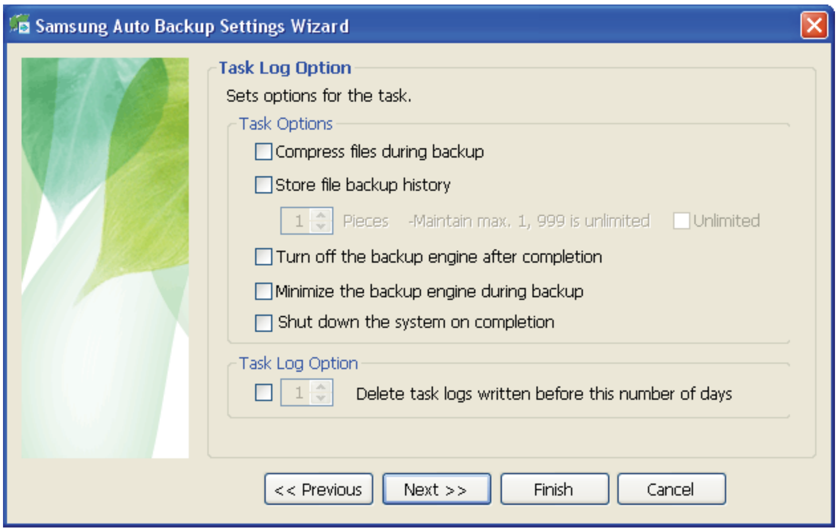
E:\

Password for compression:

Unless you set the password for encryption, the default password will be set automatically.

Designate the path to the backup device and then click "Next."

Figure 16. Optional Settings Dialog



Samsung Auto Backup Settings Wizard

Task Log Option

Sets options for the task.

Task Options

☐ Compress files during backup

☐ Store file backup history

1 Pieces -Maintain max. 1, 999 is unlimited ☐ Unlimited

☐ Turn off the backup engine after completion

☐ Minimize the backup engine during backup

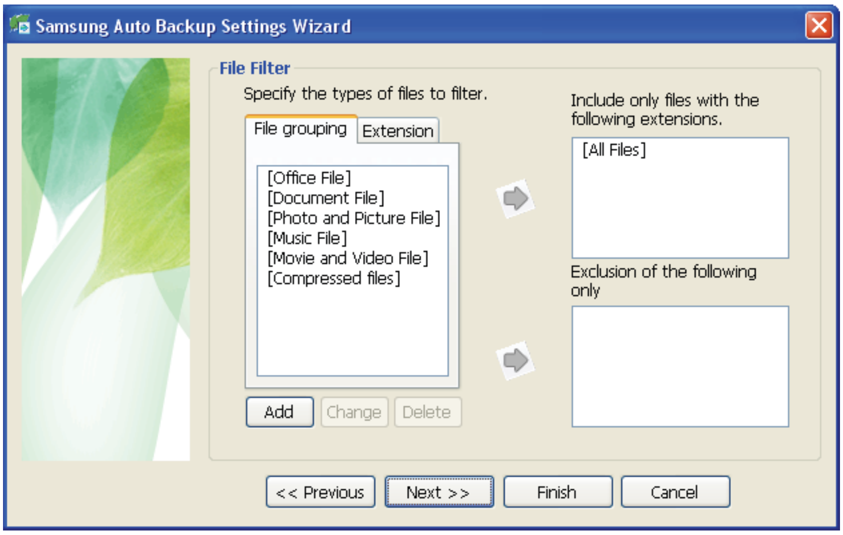
☐ Shut down the system on completion

Task Log Option

☐ 1 Delete task logs written before this number of days

Configure the various backup options.

Figure 17. File Filter Configuration Dialog



Samsung Auto Backup Settings Wizard

File Filter

Specify the types of files to filter.

File grouping | Extension

[Office File]
[Document File]
[Photo and Picture File]
[Music File]
[Movie and Video File]
[Compressed files]

Include only files with the following extensions.

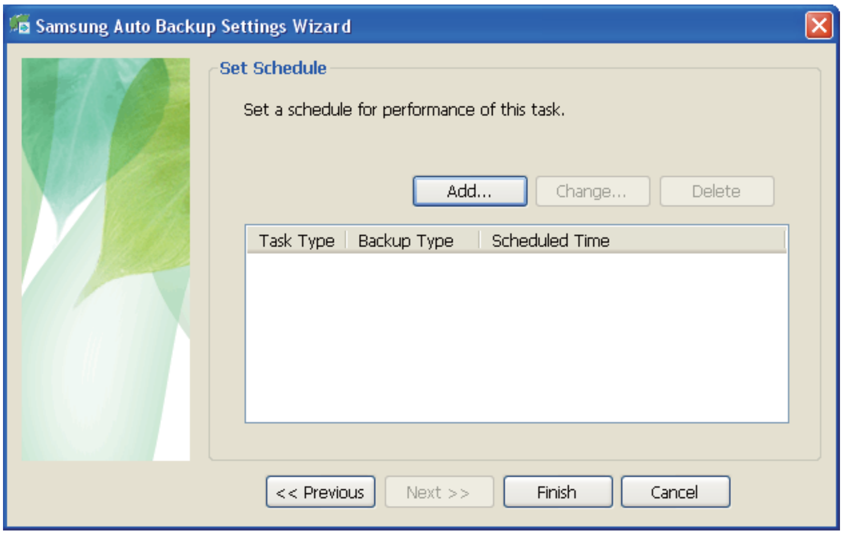
[All Files]

Exclusion of the following only

From the File Filter Configuration dialog, you will be able to select types of files you wish to backup and you wish to be excluded from the backup process.You can define these files by grouping or by specific file extensions. For file groups, the application provides preconfigured groups and the ability to add user-defined groups.

Clicking "Next" without making any change in this dialog sets the application to backup all types of files from the source.

● Figure 18. Backup Scheduling Dialog



Samsung Auto Backup Settings Wizard

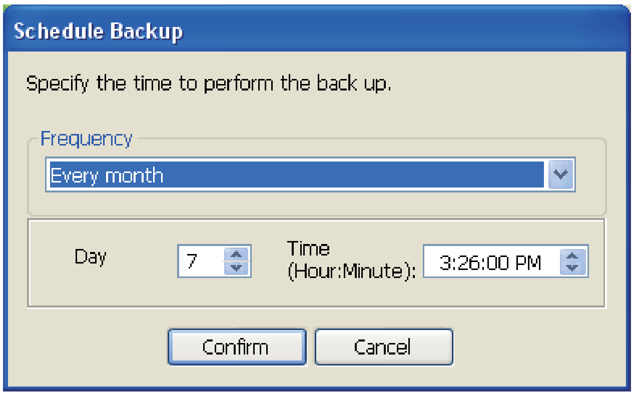
Set Schedule

Set a schedule for performance of this task.

Task Type	Backup Type	Scheduled Time

It's even possible for the user to schedule automatic backups.
Click "Add" to configure and add a new Auto Backup schedule.
Clicking the "Add" button will prompt the New Schedule dialog.

● Figure 19. New Schedule Dialog



Schedule Backup

Specify the time to perform the back up.

Frequency: Every month

Day: 7

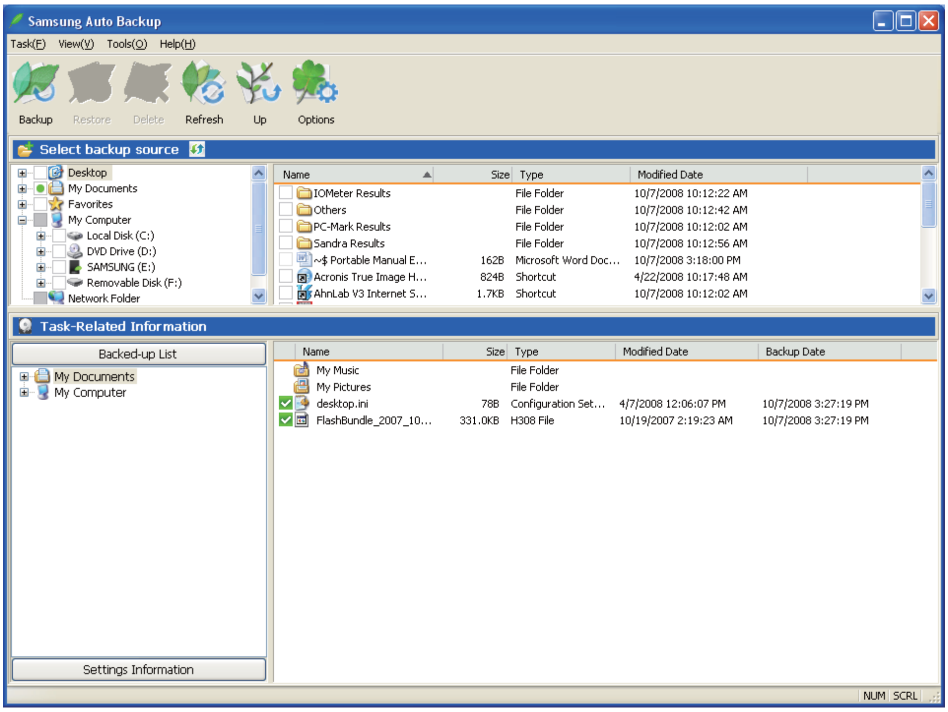
Time (Hour:Minute): 3:26:00 PM

Select how often and when you wish Auto Backup to be performed and then click "OK."

From the Backup Scheduling dialog, click "Finish" to exit the backup configuration wizard.
You are now ready to backup your data.

Samsung Auto Backup is configured to perform real time backup by default. Therefore, the application will automatically back up the content of "My Documents" after you exit the backup configuration wizard.

● Figure 20. Initial Application Screen


Samsung Auto Backup
Task(F) View(V) Tools(O) Help(H)
Backup
Restore
Delete
Refresh
Up
Options
Select backup source
Desktop
My Documents
Favorites
My Computer
Local Disk (C:)
DVD Drive (D:)
SAMSUNG (E:)
Removable Disk (F:)
Network Folder
Task-Related Information
Backed-up List
My Documents
My Computer
Settings Information
NUM SCRL

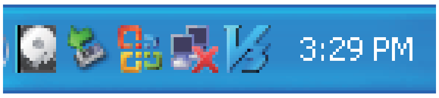
Name	Size	Type	Modified Date
☐ IOMeter Results		File Folder	10/7/2008 10:12:22 AM
☐ Others		File Folder	10/7/2008 10:12:42 AM
☐ PC-Mark Results		File Folder	10/7/2008 10:12:02 AM
☐ Sandra Results		File Folder	10/7/2008 10:12:56 AM
☐ ~$ Portable Manual E...	162B	Microsoft Word Doc...	10/7/2008 3:18:00 PM
☐ Acronis True Image H...	824B	Shortcut	4/22/2008 10:17:48 AM
☐ AhnLab V3 Internet S...	1.7KB	Shortcut	10/7/2008 10:12:02 AM

Name	Size	Type	Modified Date	Backup Date
My Music		File Folder		
My Pictures		File Folder		
☑ desktop.ini	78B	Configuration Set...	4/7/2008 12:06:07 PM	10/7/2008 3:27:19 PM
☑ FlashBundle_2007_10...	331.0KB	H308 File	10/19/2007 2:19:23 AM	10/7/2008 3:27:19 PM

Once you have successfully configured Auto Backup, a new icon will appear on your system tray.

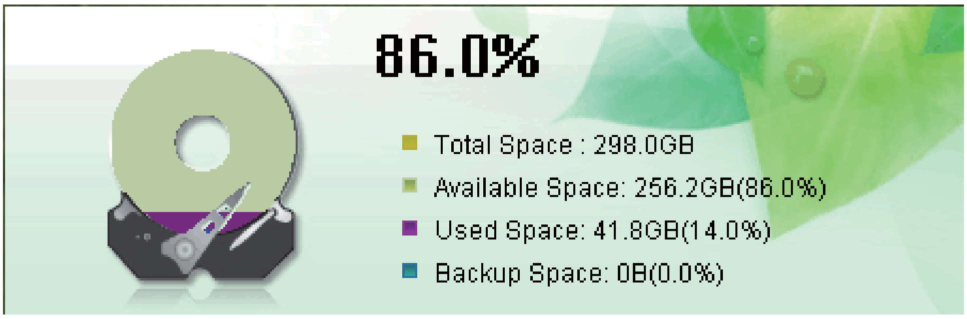
In this icon, the red section of the bar indicates the amount of storage device space used and the green section indicates the amount of space available.

● Figure 21. System Tray



Double-click the icon to view detailed information about the device's space use.

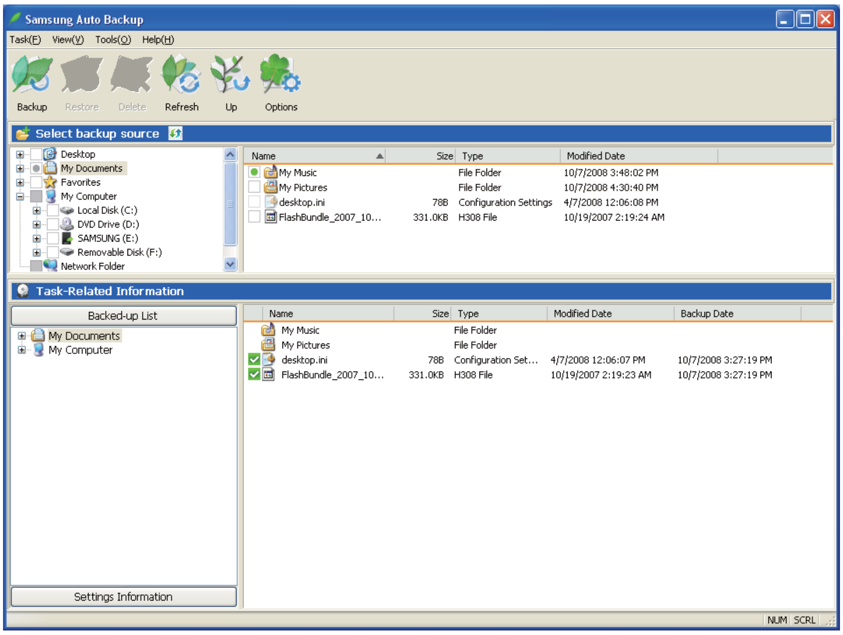
● Figure 22. System Tray


86.0%

- Total Space : 298.0GB
- Available Space: 256.2GB(86.0%)
- Used Space: 41.8GB(14.0%)
- Backup Space: 0B(0.0%)

Select original file(s) you wish to back up by checking the file(s) and/or folder(s) from the Original File Selection window.

Figure 23. Original File Selection Screen – Manual Backup

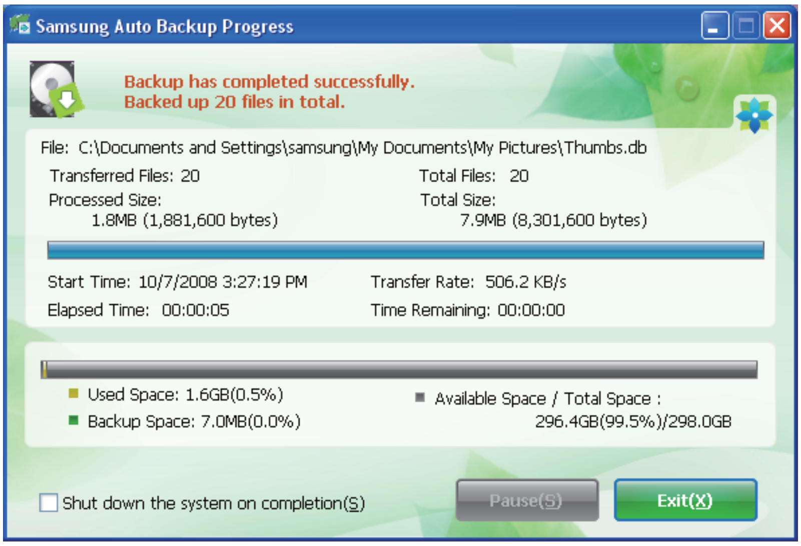

Samsung Auto Backup
Task(F) View(V) Tools(O) Help(H)
Backup
Restore
Delete
Refresh
Up
Options
Select backup source
Desktop
My Documents
Favorites
My Computer
Local Disk (C:)
DVD Drive (D:)
SAMSUNG (E:)
Removable Disk (F:)
Network Folder
Task-Related Information
Backed-up List
My Documents
My Computer
Settings Information
NUM SCRL

	Name	Size	Type	Modified Date
●	My Music		File Folder	10/7/2008 3:48:02 PM
☐	My Pictures		File Folder	10/7/2008 4:30:40 PM
☐	desktop.ini	78B	Configuration Settings	4/7/2008 12:06:08 PM
☐	FlashBundle_2007_10...	331.0KB	H308 File	10/19/2007 2:19:24 AM

	Name	Size	Type	Modified Date	Backup Date
	My Music		File Folder		
	My Pictures		File Folder		
☑	desktop.ini	78B	Configuration Set...	4/7/2008 12:06:07 PM	10/7/2008 3:27:19 PM
☑	FlashBundle_2007_10...	331.0KB	H308 File	10/19/2007 2:19:23 AM	10/7/2008 3:27:19 PM

Select "Backup" from the "Task" menu or click "Backup" from the toolbar.

Figure 24. Backup Completion Dialog


Samsung Auto Backup Progress
Pause(S)
Exit(X)

Backup has completed successfully.
Backed up 20 files in total.

File: C:\Documents and Settings\samsung\My Documents\My Pictures\Thumbs.db

Transferred Files: 20
Total Files: 20
Processed Size: 1.8MB (1,881,600 bytes)
Total Size: 7.9MB (8,301,600 bytes)

Start Time: 10/7/2008 3:27:19 PM
Transfer Rate: 506.2 KB/s
Elapsed Time: 00:00:05
Time Remaining: 00:00:00

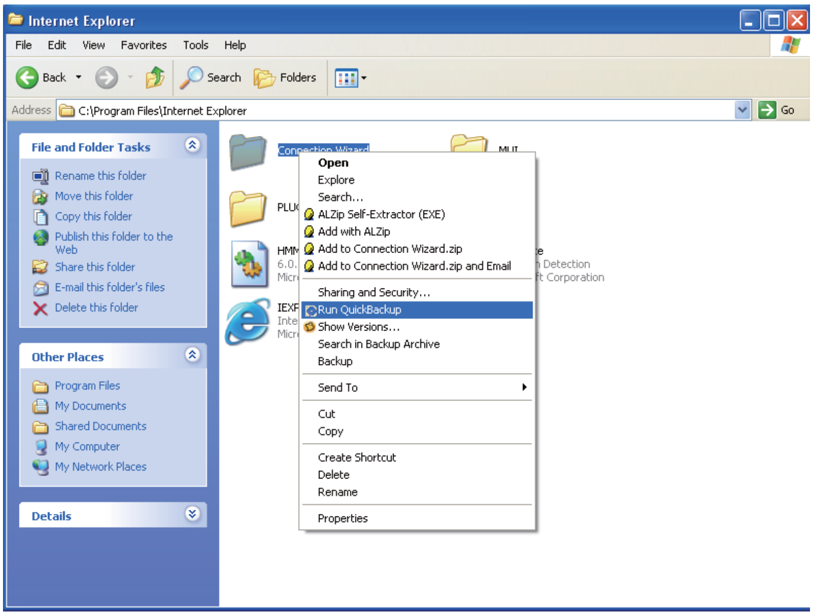
Used Space: 1.6GB(0.5%)
Backup Space: 7.0MB(0.0%)
Available Space / Total Space : 296.4GB(99.5%)/298.0GB

☐ Shut down the system on completion(S)

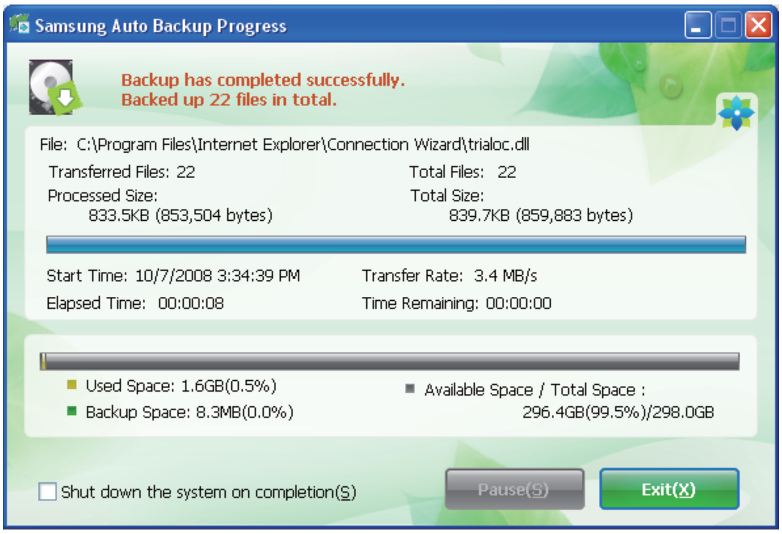
Quick Backup

Select file(s) and/or folder(s) you wish to back up. Right-click on your selection and then select "Quick Backup" from the context menu.

● Figure 25. Original File Selection Screen – Quick Backup


Internet Explorer
File
Edit
View
Favorites
Tools
Help
Back
Search
Folders
Address
C:\Program Files\Internet Explorer
Go
File and Folder Tasks
Rename this folder
Move this folder
Copy this folder
Publish this folder to the Web
Share this folder
E-mail this folder's files
Delete this folder
Other Places
Program Files
My Documents
Shared Documents
My Computer
My Network Places
Details
Connection Wizard
Open
Explore
Search...
ALZip Self-Extractor (EXE)
Add with ALZip
Add to Connection Wizard.zip
Add to Connection Wizard.zip and Email
Sharing and Security...
Run QuickBackup
Show Versions...
Search in Backup Archive
Backup
Send To
Cut
Copy
Create Shortcut
Delete
Rename
Properties

● Figure 26. Backup Completion Dialog


Samsung Auto Backup Progress

Backup has completed successfully.
Backed up 22 files in total.

File: C:\Program Files\Internet Explorer\Connection Wizard\trialoc.dll

Transferred Files: 22
Total Files: 22
Processed Size: 833.5KB (853,504 bytes)
Total Size: 839.7KB (859,883 bytes)

Start Time: 10/7/2008 3:34:39 PM
Transfer Rate: 3.4 MB/s
Elapsed Time: 00:00:08
Time Remaining: 00:00:00

Used Space: 1.6GB(0.5%)
Backup Space: 8.3MB(0.0%)
Available Space / Total Space : 296.4GB(99.5%)/298.0GB

☐ Shut down the system on completion(S)

Pause(S)
Exit(X)

Stop & Read

Quick Backup will only function with the backup device properly configured.
Files and folder that have been backed up with Quick Backup are automatically stored as backups of originals.

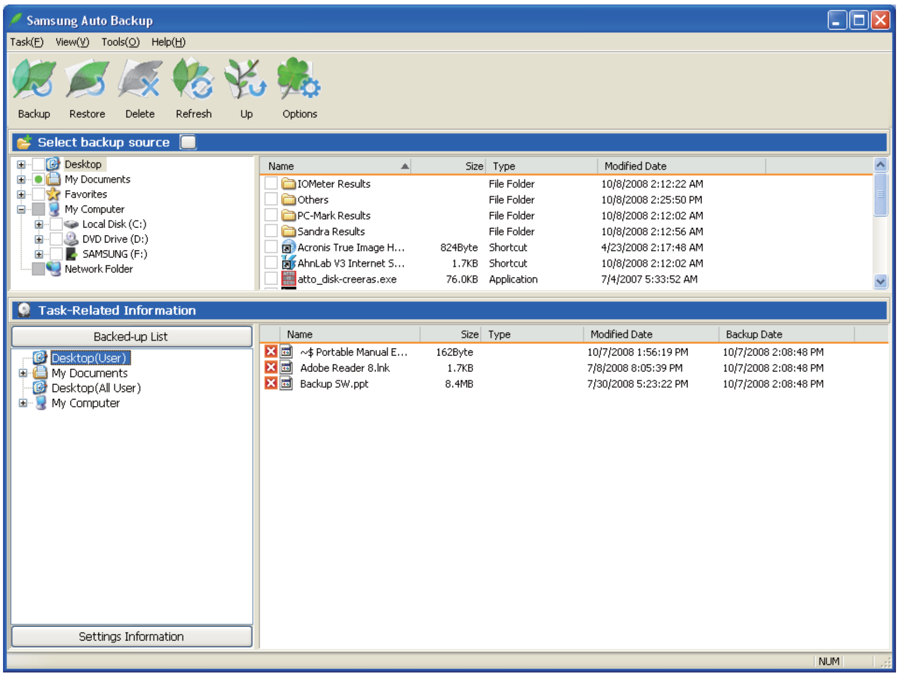
Restoring Backup Data

You can restore your backup data using Samsung Auto Backup.

To restore your backup data using Samsung Auto Backup, you will need to launch the restore wizard. There are three ways of doing this. First, select the file(s) and/or folder(s) you with to restore and:

Right-click on selected files and select "Restore."
Select "Restore" from the "Task" menu.
Click on "Restore" from the toolbar.

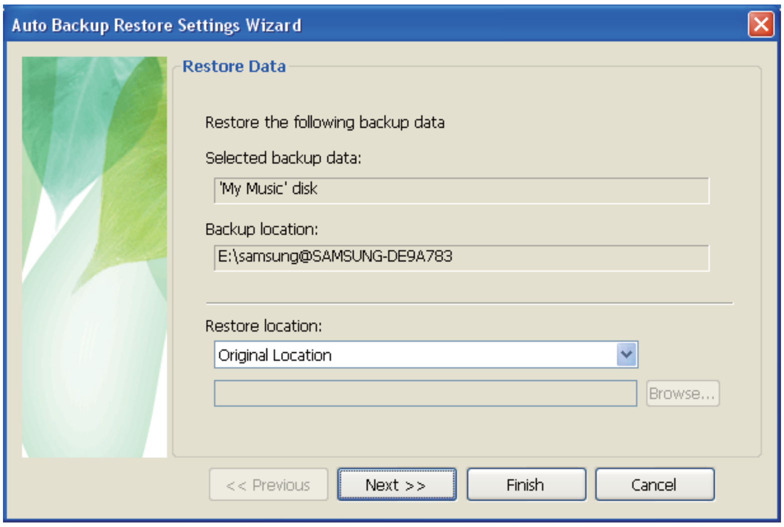
● Figure 27. **Restore Selection Screen**


Samsung Auto Backup
Task(F)
View(V)
Tools(O)
Help(H)
Backup
Restore
Delete
Refresh
Up
Options
Select backup source
Desktop
My Documents
Favorites
My Computer
Local Disk (C:)
DVD Drive (D:)
SAMSUNG (F:)
Network Folder
Task-Related Information
Backed-up List
Desktop(User)
My Documents
Desktop(All User)
My Computer
Settings Information
NUM

Name	Size	Type	Modified Date
IOMeter Results		File Folder	10/8/2008 2:12:22 AM
Others		File Folder	10/8/2008 2:25:50 PM
PC-Mark Results		File Folder	10/8/2008 2:12:02 AM
Sandra Results		File Folder	10/8/2008 2:12:56 AM
Acronis True Image H...	824Byte	Shortcut	4/23/2008 2:17:48 AM
AhnLab V3 Internet S...	1.7KB	Shortcut	10/8/2008 2:12:02 AM
atto_disk-creeras.exe	76.0KB	Application	7/4/2007 5:33:52 AM

Name	Size	Type	Modified Date	Backup Date
~$ Portable Manual E...	162Byte		10/7/2008 1:56:19 PM	10/7/2008 2:08:48 PM
Adobe Reader 8.lnk	1.7KB		7/8/2008 8:05:39 PM	10/7/2008 2:08:48 PM
Backup SW.ppt	8.4MB		7/30/2008 5:23:22 PM	10/7/2008 2:08:48 PM

Figure 28. Restore Selection Screen



Auto Backup Restore Settings Wizard
<< Previous
Next >>
Finish
Cancel
Browse...

Restore Data

Restore the following backup data

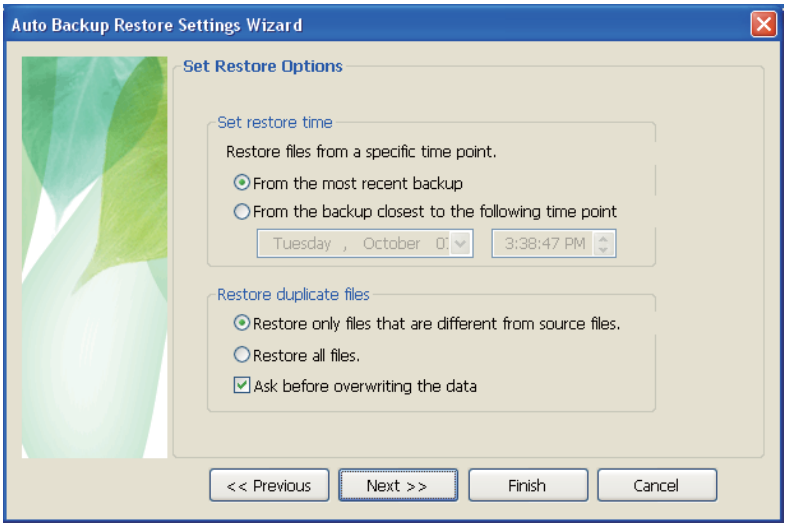
Selected backup data: 'My Music' disk

Backup location: E:\samsung@SAMSUNG-DE9A783

Restore location: Original Location

Restore wizard's first screen will prompt you to select the restore backup file destination.
There are two options available to you, which are:
Restore backup files to their original folder or
Designate a new destination folder to restore backup files to.

Figure 29. Restore Options Screen



Auto Backup Restore Settings Wizard
<< Previous
Next >>
Finish
Cancel

Set Restore Options

Set restore time

Restore files from a specific time point.

- ● From the most recent backup
- ○ From the backup closest to the following time point

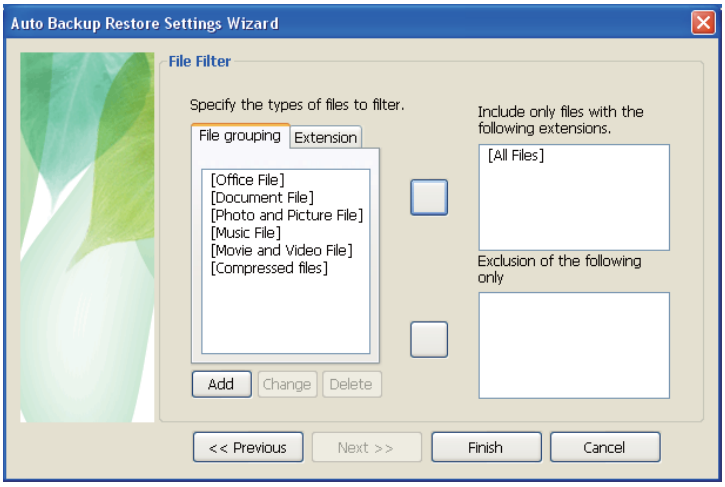
Tuesday , October 0 3:38:47 PM

Restore duplicate files

- ● Restore only files that are different from source files.
- ○ Restore all files.
- ☑ Ask before overwriting the data

Restore wizard will then present restore time and duplicate file restoring options.
You will be able to choose to restore backup files from the most recent backup or from the closest backup to a specified date and time.
As for duplicate backup files, you have the option to restore backup files that are different from their originals only or to restore all the files.

● Figure 30. File Filter Screen


Auto Backup Restore Settings Wizard
File Filter
File grouping
Extension
Add
Change
Delete
<< Previous
Next >>
Finish
Cancel

Specify the types of files to filter.

[Office File]
[Document File]
[Photo and Picture File]
[Music File]
[Movie and Video File]
[Compressed files]

Include only files with the following extensions.

[All Files]

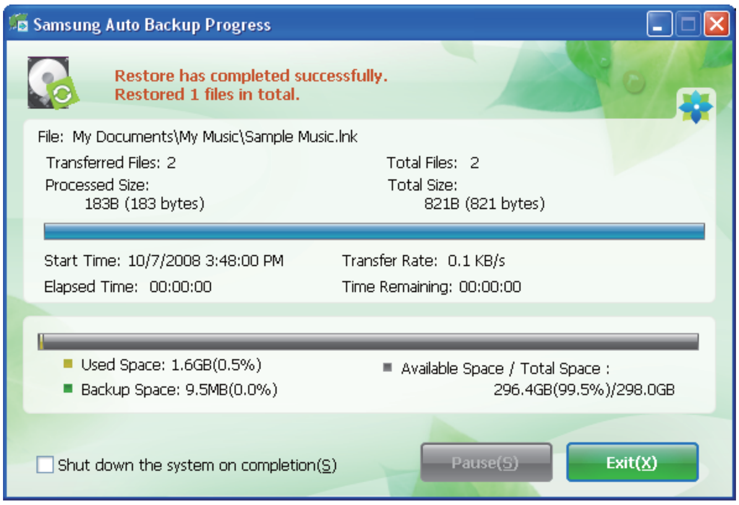
Exclusion of the following only

Restore file filter wizard lets you designate the types of files you wish to restore.
Designate the types of file extensions and/or file groups you wish to restore or exclude from restoring and then click "Finish." Clicking "Finish" without making any change in this dialog sets the application to restore all file types.

After configuring the options, click "Finish" to start restoring backup files.
Samsung Auto Backup Engine window will prompt and display the restore progress.
This engine ignores duplicate files and restores only those files with different data or creation date, resulting in much faster processing times.

Once the process is complete, the following screen will display:

● Figure 31. Restore Completion Screen


Samsung Auto Backup Progress
Pause(S)
Exit(X)

Restore has completed successfully.
Restored 1 files in total.

File: My Documents\My Music\Sample Music.lnk

Transferred Files: 2
Total Files: 2
Processed Size: 183B (183 bytes)
Total Size: 821B (821 bytes)

Start Time: 10/7/2008 3:48:00 PM
Transfer Rate: 0.1 KB/s
Elapsed Time: 00:00:00
Time Remaining: 00:00:00

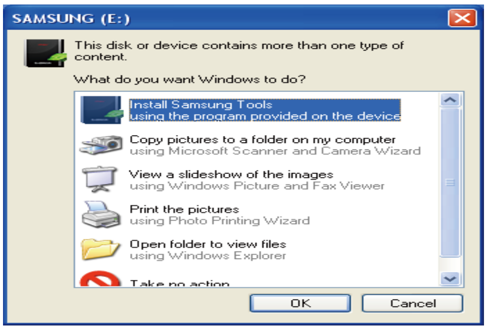
Used Space: 1.6GB(0.5%)
Backup Space: 9.5MB(0.0%)
Available Space / Total Space : 296.4GB(99.5%)/298.0GB

☐ Shut down the system on completion(S)

Samsung SecretZone™

Samsung SecretZone™ is an information privacy software application operating in the Windows environment. Samsung SecretZone™ enables you to save and protect important and private data from others with ease.

Samsung SecretZone™ Installation

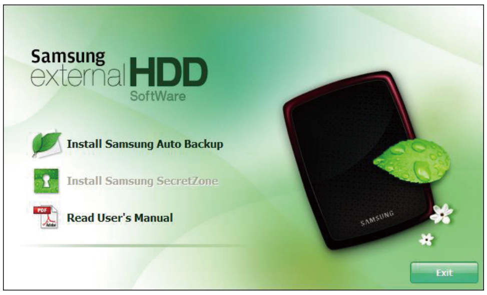

SAMSUNG (E:)
Install Samsung Tools
using the program provided on the device
Copy pictures to a folder on my computer
using Microsoft Scanner and Camera Wizard
View a slideshow of the images
using Windows Picture and Fax Viewer
Print the pictures
using Photo Printing Wizard
Open folder to view files
using Windows Explorer
Take no action
OK
Cancel

This disk or device contains more than one type of content.

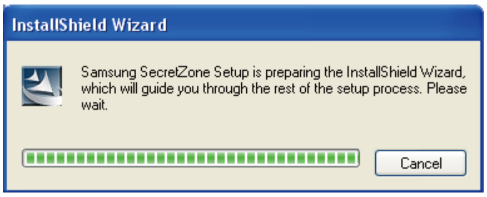
What do you want Windows to do?

1. You will see the following dialog the first time you connect your S1 Mini External Hard Disk Drive to the computer.

2. Select "Install Samsung tools" and then click "OK."

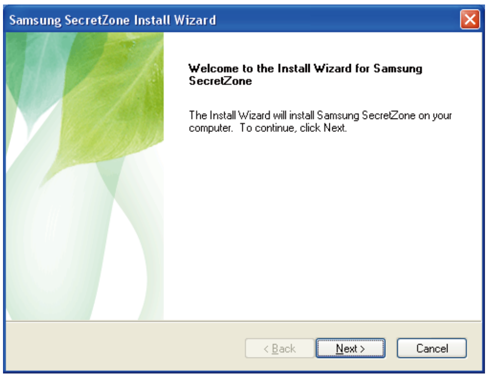

Samsung
external HDD
SoftWare
Install Samsung Auto Backup
Install Samsung SecretZone
Read User's Manual
SAMSUNG
Exit

3. Select "Install Samsung SecretZone™ ".


InstallShield Wizard
Cancel

Samsung SecretZone Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.

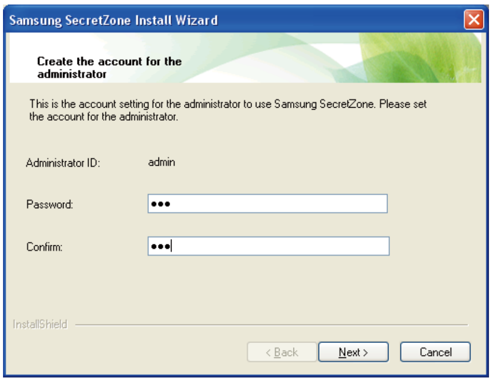
4. Once the preparation process is complete, InstallShield Wizard's greeting dialog will display.


Samsung SecretZone Install Wizard
< Back
Next >
Cancel

Welcome to the Install Wizard for Samsung SecretZone

The Install Wizard will install Samsung SecretZone on your computer. To continue, click Next.

5. Click "Next."


Samsung SecretZone Install Wizard
InstallShield
< Back
Next >
Cancel

Create the account for the administrator

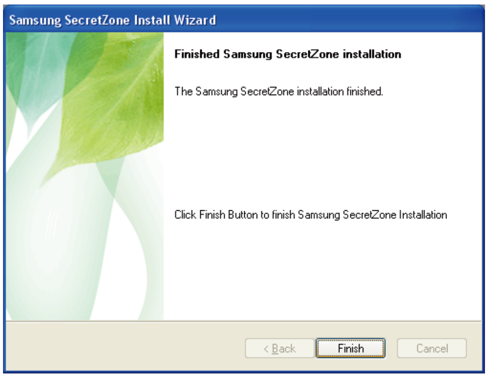
This is the account setting for the administrator to use Samsung SecretZone. Please set the account for the administrator.

Administrator ID: admin

Password: •••

Confirm: •••

6. You will then be asked to enter an administrator password. Enter the password and then click "Next" to continue.


Samsung SecretZone Install Wizard
< Back
Finish
Cancel

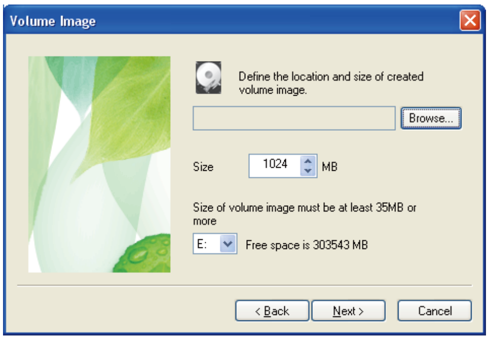
Finished Samsung SecretZone installation

The Samsung SecretZone installation finished.

Click Finish Button to finish Samsung SecretZone Installation

7. Click "Finish" to complete the installation process.

Virtual Drive with Samsung SecretZone™


Volume Image
Browse...
< Back
Next >
Cancel

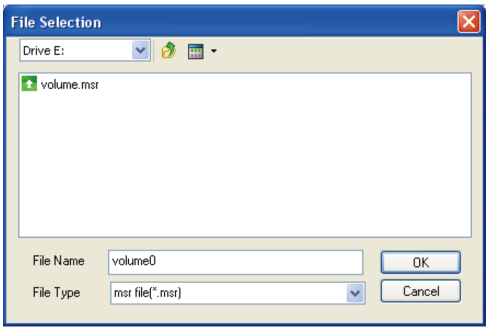
Define the location and size of created volume image.

Size 1024 MB

Size of volume image must be at least 35MB or more

E: Free space is 303543 MB

1. Click "Browse" and designate the file you wish to create.


File Selection
Drive E:
volume.msr
OK
Cancel

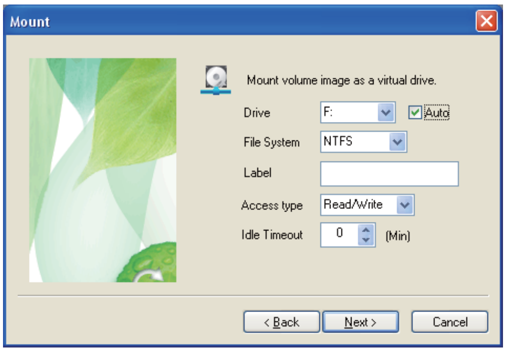
File Name volume0

File Type msr file(*.msr)

2. Designate the name and size of the volume image you wish to create.

Stop & Read

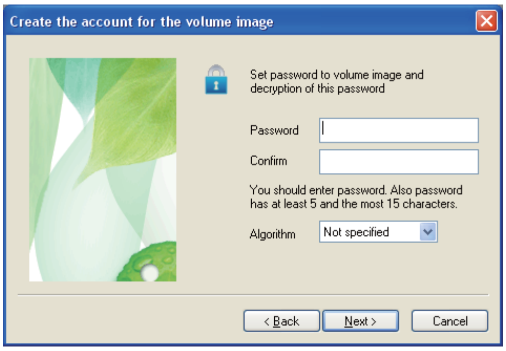
Samsung SecretZone™ is a security software and will not allow you access to protected data without a proper ID and password. Be careful not to lose your ID and password.


Mount
< Back
Next >
Cancel

Mount volume image as a virtual drive.

Drive: F: ☑ Auto
File System: NTFS
Label:
Access type: Read/Write
Idle Timeout: 0 (Min)

3. Designate the drive to connect with, the file system, label, accessibility, and idle session limit.


Create the account for the volume image
< Back
Next >
Cancel

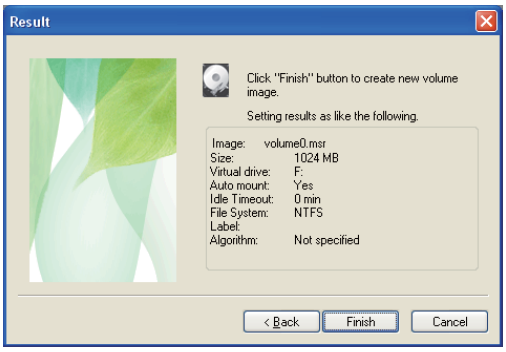
Set password to volume image and decryption of this password

Password:
Confirm:

You should enter password. Also password has at least 5 and the most 15 characters.

Algorithm: Not specified

4. Designate the volume's password and algorithm.


Result
< Back
Finish
Cancel

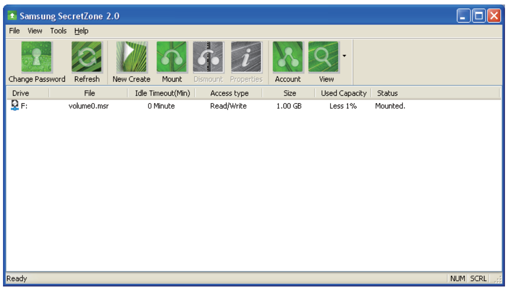
Click "Finish" button to create new volume image.

Setting results as like the following.

Image: volume0.msr
Size: 1024 MB
Virtual drive: F:
Auto mount: Yes
Idle Timeout: 0 min
File System: NTFS
Label:
Algorithm: Not specified

5. Verify your virtual image settings.

6. If the settings are correct, click "Finish" to generate the volume image.


Samsung SecretZone 2.0
File
View
Tools
Help
Change Password
Refresh
New Create
Mount
Dismount
Properties
Account
View
Ready
NUM
SCRL

Drive	File	Idle Timeout(Min)	Access type	Size	Used Capacity	Status
F:	volume0.msr	0 Minute	Read/Write	1.00 GB	Less 1%	Mounted.

You've now created a virtual drive.

Troubleshooting

- Check the USB cable connection.
- Check the LED light on the HDD.
- Check the power supply to S1 Mini External Hard Disk Drive.
    - Ticking noise is an indication of insufficient power.
- If the drive is not being recognized, try plugging it into a different USB port.

FAQ

Q1. File transfer takes too long.

A1. You will experience slow file transfer speeds if your computer does not support USB 2.0 or if you do not connect S1 Mini External Hard Disk Drive to a USB 2.0 port. Try connecting S1 Mini External Hard Disk Drive to a different port or, if your computer does not support USB 2.0, purchase a separate USB 2.0 port.

Q2. The actual storage capacity of S1 Mini External Hard Disk Drive is different than the capacity shown on the packaging.

A2. Type of file system used for the drive, partitioning arrangement, type of operating system, and various other factors can affect the actual storage capacity displayed by your computer. (1MB=1,000,000bytes and 1GB=1,000,000,000bytes.)

Q3. I connected my S1 Mini External Hard Disk Drive, and the computer seems to recognize it, but the drive won't show up under Windows Explorer.

A3. S1 Mini External Hard Disk Drive is by default formatted to FAT32 and will work normally when you connect it to your computer. However, if the partition has been erased or the file system has been changed to a one that's not recognized by Windows, the drive will not appear under Windows Explorer. Try formatting the drive to FAT32 or NTFS. (Caution: Formatting will erase all data stored in the drive.)

Q4. I am using Windows XP and cannot format the drive to FAT32.

A4. Windows operating systems that followed Windows NT have limited FAT32 formatting to 32GB. Therefore, if you wish to format your S1 Mini External Hard Disk Drive to FAT32, you will need to download a format utility from our website. (Caution: Formatting will erase all data stored in the drive. We recommend that you back up your data before proceeding.)

Q5. My computer will not boot up properly.

A5. If you boot up your system with S1 Mini External Hard Disk Drive connected to the computer, it's possible that your system's BIOS is attempting to boot from the external HDD. Change the BIOS booting sequence or disconnect the external HDD from the system and then try booting again.

Q6. I formatted my S1 Mini External Hard Disk Drive and lost all the bundle software.

A6. Bundle applications that came with your S1 Mini External Hard Disk Drive are available for download at Samsung Electronics' customer support website.

Q7. I am using a Mac, and I can't copy files.

A7. This could be a file system compatibility issue. By default, S1 Mini External Hard Disk Drive is formatted to FAT32 for cross platform compatibility. If the drive has been formatted to NTFS, data stored in the drive can only be read by Mac systems.

Appendix

Stop & Read

WARNING – PARTITONING AND FORMATTING YOUR DRIVE WILL PERMANENTLY ERASE ALL THE FILES ON THE DRIVE. DO NOT ATTEMPT TO DO THIS UNLESS ALL OF YOUR FILES HAVE BEEN BACKED UP AND CHECKED FOR RELIABILITY AND READABILITY.

Partitioning and Changing File System Type

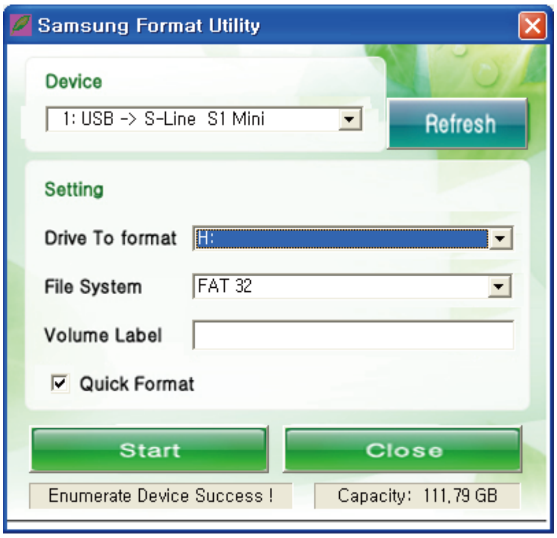
It's possible to partition your S1 Mini External Hard Disk Drive and change the file system type.

- Reformat to FAT32
- Reformat to NTFS
- Reformat in Macintosh

Reformat to FAT32

- Use Samsung USB Format Utility to format your S1 Mini External Hard Disk Drive to FAT32. (Samsung USB Format Utility is a Windows application and is available for downloaded from Samsung's online Customer Support page.)

● Figure 32. **FAT format utility**



Device: 1: USB -> S-Line S1 Mini

Drive To format: H:

File System: FAT 32

Volume Label:

☑ Quick Format

Enumerate Device Success !

Capacity: 111.79 GB

Reformat to NTFS

Following describes formatting to NTFS in Windows XP:

- Connect S1 Mini External Hard Disk Drive to the computer.
- Click "Start" from the lower left corner of your screen.
- Right-click "My Computer" and then select "Manage."
- From the "Computer Management" tool, select "Disk Management."
- Right-click the drive you wish to format and then select "Delete Partition."
- Once drive partition has been deleted, right-click the drive you wish to format and then select "New Partition" as shown in the diagram below.
- From Create Partition Wizard, select "Primary Partition" and then enter the desired size of the partition.
- From the "File System" menu, select "NTFS" and format.

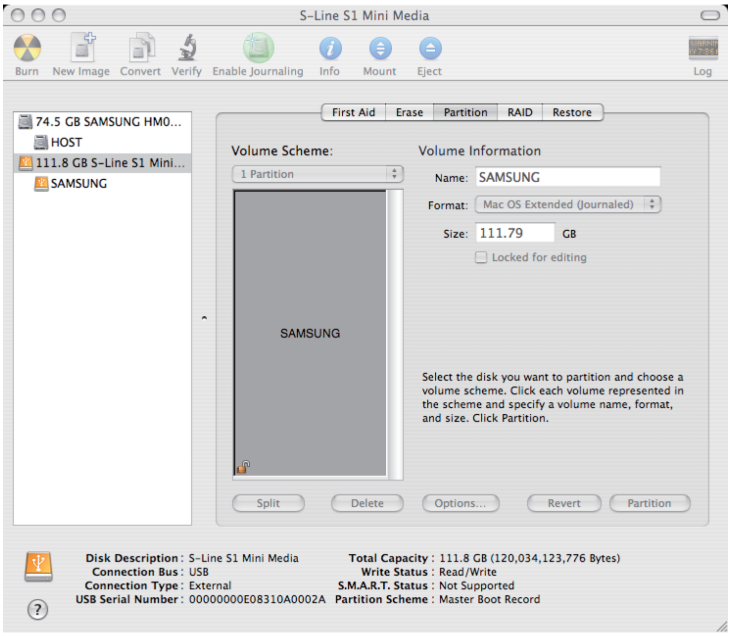
Stop & Read

WARNING – PARTITONING AND FORMATTING YOUR DRIVE WILL PERMANENTLY ERASE ALL THE FILES ON THE DRIVE. DO NOT ATTEMPT TO DO THIS UNLESS ALL OF YOUR FILES HAVE BEEN BACKED UP AND CHECKED FOR RELIABILITY AND READABILITY.

Format in Macintosh

Following describes formatting in Mac OS X:

- Launch Mac OS X's "Disk Utility" tool.
- Open the main drive folder from the desktop. Open the "Applications" folder and then the "Utilities" folder.
- Select the "Disk Utility" file.
- Select the drive you wish to reformat.
- Select the "Partition" menu and then, from the "Options" menu, the type of partition you wish to create.
- Select the drive volume from the "Name" menu and the desired format from the "Format" menu.


S-Line S1 Mini Media
Burn
New Image
Convert
Verify
Enable Journaling
Info
Mount
Eject
Log
74.5 GB SAMSUNG HM0...
HOST
111.8 GB S-Line S1 Mini...
SAMSUNG
First Aid
Erase
Partition
RAID
Restore
Volume Scheme:
Volume Information
SAMSUNG
Split
Delete
Options...
Revert
Partition

Volume Scheme: 1 Partition

Name: SAMSUNG

Format: Mac OS Extended (Journaled)

Size: 111.79 GB

☐ Locked for editing

Select the disk you want to partition and choose a volume scheme. Click each volume represented in the scheme and specify a volume name, format, and size. Click Partition.

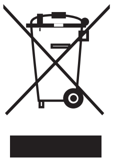
Disk Description : S-Line S1 Mini Media
Connection Bus : USB
Connection Type : External
USB Serial Number : 00000000E08310A0002A

Total Capacity : 111.8 GB (120,034,123,776 Bytes)
Write Status : Read/Write
S.M.A.R.T. Status : Not Supported
Partition Scheme : Master Boot Record

Once formatting is complete, the drive will appear on your desktop.

Product Certifications

CE (European Union/Community)
VCCI (Voluntary Control Council for Interference by Information)
FCC (Federal Communications Commission)
C-TICK
KCC (Korea Communications Commission)
BSMI (Bureau of Standards, Metrology and Inspection)
cUL (C- Underwriter's Laboratories, Inc)
TUV (Technischer Uberwachungs Verein)
CB



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health form uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local govermment office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase conyract. This product should not be mixed with other commercial wastes for disposal.

The Names and Content of Toxic and Hazardous Substances or Elements

Parts	Toxic and hazardous substances or elements					
	Pb	Hg	Cd	Cr^{6+}	PBB	PBDE
Printed Circuit Assemblies	×	○	○	○	○	○
Head Disk Assemblies	×	○	○	○	○	○
PBA	×	○	○	○	○	○
HDA	×	○	○	○	○	○
Cable	×	○	○	○	○	○
Plastic	×	○	○	○	○	○
Gum	×	○	○	○	○	○

○	Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.
×	Indicates that the concentration of the hazardous substance of least one of all homogene ous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard.

FCC

	CAUTION : Changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.
Class B	**Note :** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications, However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: - Reorient or relocate the receiving antenna. - Increase the separation between the equipment and receiver. - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. - Consult the dealer or an experienced radio/TV technician for help.

Warranty Information

The following limited warranty applies to the Samsung external hard disk drive but does not supersede regional and national laws and regulations.

Limited Warranty

Samsung makes the following limited warranties during the warranty period: (a) the Products will function properly under normal use; (b) the Products will be free from defects in materials or workmanship; (c) the Products will conform to the published specifications; and (d) the Products will conform to any additional specifications agreed to in writing by the parties.

Samsung warranties do not cover any problem that is caused by (a) commercial use; accident; abuse; neglect; shock; electrostatic discharge; heat or humidity beyond product specifications; improper installation; operation; maintenance or modification; or (b) any misuse contrary to the instructions in the user’s manual; or (c) lost passwords; or (d) malfunctions caused by other equipment.

Our limited warranties are void if a product is returned with removed, damaged, or tampered labels or any alterations (including removal of any component or external cover). Our warranties do not cover data loss – back up the contents of your drive to a separate storage medium on a regular basis. Also, consequential damages; incidental damages; and costs related to data recovery, removal and installation are not recoverable under our warranties.

Warranty Period

The warranty period for product is three (3) years from the documented date of purchase from Samsung or a Samsung’ authorized reseller.

Customer Service

To request warranty service, please contact the place of purchase, or visit our web site (www.samsunghdd.com) for information on obtaining service or an RMA (Return Material Authorization) number. Submit your phone number, e-mail, address, name, product model, and serial number(s) and an RMA number with all pertinent information will be provided to you for returning product to Samsung. When you return the product to Samsung, the product must be properly packaged in original packing with a traceable forwarder and freight prepaid to the return address listed on the RMA. Remember to write the RMA number on the out side of box, or the shipment will be refused and returned to you at freight collect.

Samsung, or an authorized Samsung service center, will replace your product with a functionally equivalent product. Samsung will not return your original drive and data recovery is not included.

It is highly recommended that you backup your data. Once your drive is received at Samsung, the ownership of the product and all content therein will be transferred to Samsung.

Please contact Samsung with any comments or inquiries at www.samsunghdd.com

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S1 Mini External Hard Drive User’s manual EN (Rev. 03)